

Australian Mail Service.



FOR SAN FRANCISCO.
The new and fine A1 steel steamship
"ALAMEDA,"

Of the Oceanic Steamship Company, will
be due at Honolulu from Sydney
and Auckland on or about

March 11th, 1887.

And will leave for the above port with
mail and passengers on or about that
date.

For freight or passage, having SU-
PERIOR ACCOMMODATIONS, apply
to

WM. G. IRWIN & CO., Agents.

For Sydney and Auckland,



The new and fine A1 steel steamship

"Zealandia,"

Of the Oceanic Steamship Company, will
be due at Honolulu from San
Francisco on or about

March 19th, 1887.

And will have prompt dispatch with
mail and passengers for the above ports.

For freight or passage, having SU-
PERIOR ACCOMMODATIONS, apply
to

WM. G. IRWIN & CO., Agents.

For Yokohama & Hong Kong



The well-known A1 Iron Steamship

"City of Rio de Janeiro,"

W. B. COBB, Commander,
Will sail for Yokohama and Hongkong
on or about the

MARCH 12th, '87.

Offering superior accommodations
to passengers.

For Freight and Passage, apply to

H. HACKFELD & CO.,

56 if Agents Pacific Mail S. S. Co.

FOR SALE.

Steel Rails!

— WITH —
Fishplates, Bolts & Spikes.

H. HACKFELD & Co.

12

PAINTING!

Having secured the Services of
Geo. C. Stratmeyer

we are prepared to execute all
orders in

**House or Sign
Painting.**

HONOLULU PLAINING MILLS.

96 if

J. HOPP & CO.

74 King Street.

Manufacturers and Importers of all
kinds of

Furniture & Upholstery Goods

FINE REDDING A SPECIALTY.

All kinds of Jobbing promptly attended to.

CHAIRS TO RENT

For Balls or Parties in small or large

quantities. [17.]

The Inter-Island Steam

Navigation Co., Limited,

Keep constantly on hand for sale

Steam Family and Blacksmith Coal

and a general assortment of

Bar Iron. [17.]

HUSTACE & ROBERTSON

DRAYMEN.

A LL orders for Carriage promptly at-
tended to. Particular attention

paid to the

Storing & Shipping

of goods in transit to the other Islands.

Also, Black and White Sand

in quantities to suit at lowest prices.

Office, adjoining E. P. Adams & Co.'s
auction room.

989 1y Mutual Telephone No. 19.

NOTICE.

IS HEREBY GIVEN THAT ON AC-
count of the death of Yong Kong

Lung, Manager of the firm of Wing Chong

Lung, now doing business on corner of

Maunakea and Ho'olani streets, Honolulu,

Lin Tai Hoong is hereby appointed as

manager of said firm hereafter. He has

full power to sign the firm name and

draw money for the benefit of said

firm. 63 3w

We should Blot Out Disease in Its Early Stages.

The disease commences with a slight
derangement of the stomach, but, if
neglected, it in time involves the whole
frame, embracing the kidneys, liver,
pancreas, and in fact the entire gland-
ular system; and the afflicted drags out
a miserable existence until death gives
relief from suffering. The disease is
often mistaken for other complaints;
but if the reader will ask himself the
following questions he will be able to
determine whether he himself is one of
the afflicted:—Have I distress, pain, or
difficulty in breathing after eating? Is
there a dull, heavy feeling, attended by
drowsiness? Have the eyes a yellow
tinge? Does a thick, sticky mucus
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The Daily Bulletin.

MONDAY, FEB. 28, 1887.

HAWAIIAN FERNS.

[CONTINUED.]

If it is desired to collect the

spores of the ferns for growing, it

is well to be provided with squares

of writing paper, about 6 inches

long and 4 inches wide. The fronds

from which the spores are obtained,

should be handled carefully in order

to prevent the fully ripe spores from

being scattered. From the fronds

should be picked the fruited pinnae

and these packed together in the

papers. Not unfrequently it will be

found, by the time the collector has

reached home, that the papers in

which the herbarium specimens have

been packed, are covered with the

fine spore dust. This can be care-
fully shaken into the smaller papers

(a bit of one of the pinnae being
added in order to identify the family

and variety), and put away for
future use. The finest of the powder

is the sporangia, the coarser is apt
to be made up largely of the spore

cases.

In gathering fern plants for set-
ting out in our homes, great care

must be taken to preserve the fine

roots intact. It will be noticed that

the tips of the thread-like rootlets

proceeding from the root stalk (or

rhizome) are white. These tips are

the growing part of the roots, and

if they are broken off the plant has

but little chance for living. Hence

it follows that the plants should be

lifted from the ground with care, plenty of earth being

taken up with them. After lifting the

plant the earth can be shaken off.

Then the roots should be en-
veloped in a bunch of damp moss—

of which plenty can usually be found
where ferns are growing—so as to

keep the roots moist.

In packing the plants for trans-
portation almost all the fronds can

be removed. They should be cut
off within two or three inches of

their bases, care being taken to
preserve the unrolled fronds from

injury.

It may be remarked just here
that the crown of unrolled fronds is

the most important part of the fern
plant to be preserved intact. In the

varieties where there is a
"trunk" to the ferns, i. e., where

the fronds remain united for a
greater or less distance above the

ground before unrolling, the plant
will grow even if there is little or

no "root" preserved. By cutting
off most of the developed fronds,

and wrapping the few that are left
around the crown of the plant the

whole can be rolled in a piece of
stout paper and packed away in the

case brought for that purpose.

Another plan which answers well
(if the plants can be cared for as

soon as we reach home) is to pack
the plants—rolled in strips of thin

cotton cloth—in a bag. A quantity
of damp moss should be placed in

the bottom of the bag, and as the
plants are gathered they should be

packed in with plenty of moss about
them. They will stand carrying for

a long distance on horseback if
the bag containing them is kept

screened from the direct rays of the
sun.

On these islands, where it is taken
for granted that the fern collector

can frequently visit localities in
which ferns grow, it is not best to

try to collect too many at a time.
The temptation to overload one's

self is very strong, but it must be
borne in mind that the material we

gather so abundantly in the woods
must be all cared for as soon as

possible after reaching home, and this
work requires considerable of an

effort of the will, when we under-
take it immediately after a fatiguing

day in the woods and on the
mountains.

It must be done, however, if we
hope to utilize what we have gather-
ed, and one of the first things to

do is to change our herbarium spec-
imens into new and dry papers.

In commencing to do so, we will
congratulate ourselves on the care

with which we have laid away the
specimens at the time we gathered

them. Our enjoyment of the beauty
of our specimens will be in direct

proportion to their perfection. Hav-
ing provided ourselves with sheets

of paper in which to press them
(and there is no paper we can find

that answers better than the thin
brown, silky wrapping paper made

by the Chinese, and which can be
bought quite cheaply at any of the

Chinese importing houses in Hono-
lulu); having, I repeat, sheets of

good paper, and two square of the
galvanized wire netting spoken of

before, we can go to work. The
Chinese paper, which has been rec-
ommended, comes in sheets meas-
uring 20 inches by 30, and is

always folded lengthwise twice in
the bale, so as to make a wrapper

20 by 10 inches. If the sheets of
wire netting are cut 20 by 20, two

of these wrappers can be laid side
by side upon one of them. Three

or four thicknesses of the paper
should be laid down flat on one of